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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/562,951	04/20/2006	Brian Anderton	0380-P03923US0	8723
110 7590 04/24/2007 DANN, DORFMAN, HERRELL & SKILLMAN 1601 MARKET STREET SUITE 2400 PHILADELPHIA, PA 19103-2307			EXAMINER	
			MONSHIPOURI, MARYAM	
			ART UNIT	PAPER NUMBER
			1656	
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SHORTENED STATUTOR	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
31 DAYS		04/24/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Applicant(s)				
•	10/562,951。	ANDERTON ET AL.				
Office Action Summary	Examiner	Art Unit				
	Maryam Monshipouri	1656				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1) Responsive to communication(s) filed on						
,-						
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4) Claim(s) 22-46 and 50-54 is/are pending in the	application.					
4a) Of the above claim(s) is/are withdraw	vn from consideration.					
5) Claim(s) is/are allowed.						
6) Claim(s) is/are rejected.	•	•				
7) Claim(s) is/are objected to.	and/or election requirement					
8) Claim(s) <u>22-46, 50-54</u> are subject to restriction	and/or election requirement.					
Application Papers						
9) The specification is objected to by the Examiner.						
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
•						
Attachment(s)						
1) Notice of References Cited (PTO-892)	4) Interview Summa					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08)	Paper No(s)/Mail 5) Notice of Informal	Date I Patent Application				
Paper No(s)/Mail Date 6) Other:						

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Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claim(s) 22-32, 36, 38-42, drawn to a method of screening for inhibitors of Tau protein phosphorylation by Casein kinase 1 (CK1), wherein the tau protein comprise one or more phosphorylation sites.

Group II, claim(s) 33, 35-36, 38-40, drawn to drawn to a method of screening for inhibitors of Tau protein phosphorylation by combination of kinases added to CK1.

Group III, claim(s) 43-46, drawn to a method of screening for inhibitors of Tau protein phosphorylation by Casein kinase 1 (CK1), wherein the tau protein comprise one or more phosphorylation sites, further comprising optimizing the structure of potential inhibitors.

Group IV, claim(s) 50, drawn to a method of screening for inhibitors of Tau phosphorylation by Fyn.

Group V, claim(s) 51, drawn to a method of screening for inhibitors of Tau protein phosphorylation by a kinase other than (CK1), wherein the tau protein comprise one or more phosphorylation sites.

Group VI, Claim 52, a method of screening for inhibitors of Tau protein phosphorylation by a phosphatase, wherein the tau protein comprise one or more phosphorylation sites.

Group VII, claims 53-54, a method of treatment of taupathy in a patient comprising administering inhibitors identified in claim 22.

In addition to Groups I-VII above each invention of Groups I-VII is additionally and independently directed to he following patentably distinct inventions of unrelated structure and function;

- (1) SEQ ID NO:1
- (2) SEQ ID NO:2
- (3) SEQ ID NO:3.

Applicant is advised to elect one invention from Groups I-VI and one invention from Groups 1-3 simultaneously, in response to this office action.

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Group II invention is further directed to the following patentably distinct inventions of unrelated chemical structure and function:

- a) CK1 and CCK2
- b) CK1 and PKA
- c) CK1 And GSK-3a
- d) CK1 and GSK3-β

When electing Group II invention, apart from additionally electing Groups 1-3 shown above, applicant is advised to further simultaneously elect one Group from inventions listed as a-d above.

The inventions listed as Groups I-VII do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: the special technical features of Groups I-VII are Inhibitors of CK1 Or method of use thereof), inhibitors of kinases and CK1 (or method of use thereof), inhibitor structure (or method of optimization thereof), inhibitors of Fyn (or method of use thereof), inhibitors of other kinases than CK1 (or method of sue thereof), inhibitors of CK1 (or method of sue thereof), respectively, which are each directed to products (or method of sue thereof) of unrelated chemical structure and function.

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

Group I-IV inventions are also generic to the following 1156 distinct species of tau phosphorylation sites at one of more sites recited in claims 30 and 32 such as: (S46/T50), S113, S131, T149, T169, S184, S208, (S210/T212), S218 etc. The election of an invention or species may be made with or without traverse. Similarly, Group VI-VII inventions, are generic to the following 144 distinct species of at one or more tau phosphorylation sites such as: S68, T69, T71, (T111/S113), S191, S258, S289, (T414/S416), T427, S433, S435 and Y394 etc.

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Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103(a) of the other invention.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Maryam Monshipouri whose telephone number is (571) 272-0932. The examiner can normally be reached on 7:00 a.m to 5:30 p.m.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kathleene Kerr Bragdon can be reached on (571) 272-0931. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Maryam Monshipouri Ph.D.

Primary Examiner